

61 Louisa Viens Drive Dayville, CT 06241 Fax: 860-774-2689 Phone: 860-774-6814 Toll-Free: 800-334-0103

## ANALYTICAL DATA REPORT

prepared for:

Town of Webster Water Dept. 38 Hill Street PO Box 793 Webster, MA 01570 Attn: Doran Crouse

Report Number: E608C70 Project: Webster Water Department

> Received Date: 08/09/2016 Report Date: 08/17/2016

> > Copies Sent To:

Commonwealth of Massachusetts DEP / Central Regional Office 8 New Bond Street Worcester, MA 01606

> David Dickinson **Technical Director**





61 Louisa Viens Drive Dayville, CT 06241 Fax: 860-774-2689 Phone: 860-774-6814 Toll-Free: 800-334-0103

## ANALYTICAL DATA REPORT

prepared for:

Commonwealth of Massachusetts
DEP / Central Regional Office
8 New Bond Street
Worcester, MA 01606
Attn: Linda Erricola

Report Number: E608C70 Project: Webster Water Department

> Received Date: 08/09/2016 Report Date: 08/17/2016

> > Copies Sent To:

Town of Webster Water Dept. 38 Hill Street PO Box 793 Webster, MA 01570

> David Dickinson Technical Director





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Report No: E608C70

Client: Webster Water Department
Project: Webster Water Department

#### CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

The results presented in this report relate only to the samples received.

This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included, along with a copy of the chain of custody and any subcontracted analyses reports, if applicable, for the sample(s) in this report. Subcontractor results are identified by 'SUB' next to the analysis.

Microbac Laboratories, Inc. received two samples from Webster Water Department on 08/09/2016. The samples were analyzed for the following list of analyses in accordance with MA DEP regulations unless otherwise indicated:

Haloacetic Acids5 by 552 in DW 552.2[552.2]

Trihalomethanes by 524.2 in DW 524.2

Non-Conformances: Work Order:

None

Sample:

None

**Analysis:** 

None



# Total Trihalomethanes Report

. PW	S INFORMATION	ON: P	lease refe	i to you	II DEP VVali	er Quality Samp	ling Schedule (WQSS) t	to help complete t	his form	
PWS	ID #:	2316	6000				City / Town:	Webster, MA		
PWS	Name:	Web	ster Water	Depart	ment			PWS Class:	сом 🗹	NTNC
	DEP LOCATION (LOC) ID#				DE	P Location Name		Sample Acidified?	Date Collected	Collected By
Α	002	7	Town Hall					Yes ☑	8/9/2016	Client
В	003	V	Webster Hul	obard Ho	spital			Yes ☑	8/9/2016	Client
С										
D										
	Routine or Special Sampl	le			ıl, Resubmitte irmation Repo		(1) Reason for Re		Report, list below (2) Collection D	Date of Original Sample
Α	☑ RS 🗆 S	SS	☑ Origin	al 🗆 R	tesubmitted	☐ Confirmation	☐ Resample ☐ Reanalysis	☐ Report Correction		
В	☑ RS □ S	ss	☑ Origin	al □ R	tesubmitted	☐ Confirmation	☐ Resample ☐ Reanalysis	☐ Report Correction		
С										
D	SAMPLE NOTE	S								
Α	OAIIII EE NOTE									
В										
С										
D										
ΙΔN	ALYTICAL LA	BOR A	TORY INF	ORMAT	TION					
	ary Lab MA Ce		М-СТ0	80	Primary L	ab Name: Micr	obac Laboratories, Inc	c.	Subcontr	act? (Y/N)
anan	/SIS LAD MA C	ert. #	: Ім-сто	08	Analysis I	ab Name: Micr	obac Laboratories, Inc	C.		
Anaiy			: M-CT0			_ab Name: Micr	obac Laboratories, Inc	C. RESULTS' µg/L		
Arrany	Contamina		: M-CT0	08 MCL μg/L	Analysis I	_ab Name: Micr	obac Laboratories, Inc		С	D
			: M-CT0	MCL	MDL				C	D
тот	Contamina		:: M-CT0	MCL μg/L	MDL µg/L	A	В		C	D
<b>TOT</b>	Contamina AL THMs		: M-CT0	MCL μg/L	MDL μg/L	<b>A</b> 5.8	16		C	D
TOT. Bror	Contamina AL THMs	nt	::  M-CT0	MCL μg/L	MDL µg/L  0.50 0.50 0.50	5.8 1.4 0.50 1.1	16 4.2 1.4 3.2		C	D
Bror Chlc Bror Dibr	Contamina AL THMs noform proform nodichlorometh	nt	: M-CT0	MCL μg/L	MDL μg/L  0.50 0.50	5.8 1.4 0.50	16 4.2 1.4		C	D
Bror Chlo Bror Dibro	Contamina AL THMs noform proform nodichlorometh pmochlorometh Method	hane hane		MCL μg/L	MDL µg/L  0.50 0.50 0.50	5.8 1.4 0.50 1.1	16 4.2 1.4 3.2		C	D
Bror Chlo Bror Dibro Lab	Contamina AL THMs  noform  roform  nodichlorometl  pmochlorometl  Method  Extracted (55	hane hane		MCL μg/L	MDL µg/L  0.50 0.50 0.50	5.8 1.4 0.50 1.1 2.8 524.2	16 4.2 1.4 3.2 7.2 524.2		C	D
Brorn Chlor Brorn Dibro Lab Date	Contamina AL THMs noform proform nodichlorometi pmochlorometi Method Extracted (55	hane hane		MCL μg/L	MDL µg/L  0.50 0.50 0.50	5.8 1.4 0.50 1.1 2.8 524.2	16 4.2 1.4 3.2 7.2 524.2		C	D
Brorn Chlor Brorn Dibro Lab Date Lab	Contamina AL THMs noform proform nodichlorometi comochlorometi Method Extracted (55 Analyzed Sample ID#	hane hane	nly)	MCL µg/L 80	MDL µg/L  0.50 0.50 0.50	5.8 1.4 0.50 1.1 2.8 524.2 8/11/2016 E608C70-1	16 4.2 1.4 3.2 7.2 524.2 8/11/2016 E608C70-2		C	D
TOT.  Bronn Chlc Bronn Dibre Lab Date Lab Surro	Contamina AL THMs Inoform Inodichlorometh Inomochlorometh Method Extracted (55 Analyzed Sample ID# gate #1: Brom	hane hane	nly)	MCL µg/L 80	MDL µg/L  0.50 0.50 0.50	5.8 1.4 0.50 1.1 2.8 524.2 8/11/2016 E608C70-1 108%	16		C	D
Brorn Chlor Brorn Dibro Date Date Lab Surro	Contamina AL THMs noform proform nodichlorometh prochlorometh Method Extracted (55 Analyzed Sample ID# gate #1: Brom gate #2: 1,2-D	hane hane	nly) obenzene obenzene	MCL µg/L 80	MDL µg/L  0.50 0.50 0.50 0.50	5.8 1.4 0.50 1.1 2.8 524.2 8/11/2016 E608C70-1 108% 106%	16 4.2 1.4 3.2 7.2 524.2 8/11/2016 E608C70-2		C	D
Brorn Chlo Brorn Dibro Lab Date Lab Surro Surro	Contamina AL THMs Inoform Inodichlorometh Inomochlorometh Method Extracted (55 Analyzed Sample ID# gate #1: Brom	hane hane ofluor oichlor mber G	nly) obenzene obenzene- ireater than 0	MCL µg/L 80	MDL µg/L  0.50 0.50 0.50 0.50	5.8 1.4 0.50 1.1 2.8 524.2 8/11/2016 E608C70-1 108% 106%	16		C	D
Bror Chlo Bror Dibro Lab Date Lab Surro Surro	Contamina AL THMs noform proform nodichlorometh modichlorometh method Extracted (55 Analyzed Sample ID# gate #1: Brom gate #2: 1,2-D eport result as a nu	hane hane ofluor oichlor mber G	nly) obenzene obenzene- ireater than 0	MCL µg/L 80	MDL µg/L  0.50 0.50 0.50 0.50	5.8 1.4 0.50 1.1 2.8 524.2 8/11/2016 E608C70-1 108% 106%	16		C	D
Brorn Chlor Brorn Dibrorn Lab Date Lab Surror Surror	Contamina AL THMs noform proform nodichlorometh mochlorometh Method Extracted (55 Analyzed Sample ID# gate #1: Brom gate #2: 1,2-D eport result as a nu	hane hane ofluor oichlor mber G	nly) obenzene obenzene- ireater than 0	MCL µg/L 80	MDL µg/L  0.50 0.50 0.50 0.50	5.8 1.4 0.50 1.1 2.8 524.2 8/11/2016 E608C70-1 108% 106%	16		C	D
Bron Chlc Bror Dibro Lab Date Lab Surro Rec	Contamina AL THMs noform proform nodichlorometh mochlorometh Method Extracted (55 Analyzed Sample ID# gate #1: Brom gate #2: 1,2-D eport result as a nu	hane hane ofluor oichlor mber G	nly) obenzene obenzene- ireater than 0	MCL µg/L 80	MDL µg/L  0.50 0.50 0.50 0.50	5.8 1.4 0.50 1.1 2.8 524.2 8/11/2016 E608C70-1 108% 106%	16		C	D
Brorn Chlco Brorn Dibro Date Lab Surro Rec B C D author D D D D D D D D D D D D D D D D D D D	Contamina AL THMS noform proform nodichlorometh method Extracted (55 Analyzed Sample ID# gate #1: Brom gate #2: 1,2-D eport result as a nu	hane hane offluor bichlore mber G	obenzene obenzene obenzene reater than 0	MCL µg/L 80  -d4 or ND (nc	MDL µg/L   0.50  0.50  0.50  0.50  0.50  ot a < MDL value that I am the period contained	A   5.8   1.4   0.50   1.1   2.8   524.2   8/11/2016   E608C70-1   108%   106%   106%	16	RESULTS' µg/L		D D

If not submitting results electronically, mail <u>TWO</u> copies of this report to your DEP Regional Office no later than 10 days after the end of the month in which you received this report <u>or</u> no later than 10 days after the end of the reporting period, whichever is sooner.

DEP REVIEW STATUS	6 (Initial & Date)	Review	□ WQTS
☐ Accepted	☐ Disapproved	Comments	Data Entered



# Haloacetic Acids Report

		e refer to you	r DEP Wate	er Quality Samp	ling Schedule (WQSS) t	o help complete thi	is form	
PWS ID #:	231600	0			City / Town:	Vebster, MA		
PWS Name:	Webster	Water Departi	ment			PWS Class:	сом 🗹	NTNC
DEP LOCATION (LOC) ID#			DE	P Location Name		Date Collected	(	Collected By
<b>A</b> 002	Town	Hall				8/9/2016	Client	
<b>B</b> 003	Webs	ter Hubbard Ho	spital			8/9/2016	Client	
С								
D								
Routine or Special Sampl	e		I, Resubmitted		(1) Reason for Re	If Resubmitted Resubmission		Date of Original Sample
A ☑ RS □ S			-	☐ Confirmation	☐ Resample ☐ Reanalysis	☐ Report Correction		
B  ⊠RS □S	S E	了Original □ R	esubmitted	☐ Confirmation	☐ Resample ☐ Reanalysis	☐ Report Correction		
С								
SAMPLE NOTE	<u> </u>							
A	<u> </u>							
В								
С								
D								
II. ANALYTICAL LA	BORATO	RY INFORMAT	ION					
				Micr	obac Laboratories, Inc		7 0.1	ract? (Y/N)
Primary Lab MA Ce		1-CT008	Primary La				Subcont	ract? (Y/N) N
Analysis Lab MA C	ert. #: N	1-CT008	Analysis L	.ab Name: MICT	obac Laboratories, Inc			
Contamina	nt							
		MCL	MDL	Δ	B	RESULTS¹ μg/L	С	D
TOTAL HAA5		μg/L	MDL µg/L	2.5	2.8	RESULTS' µg/L	С	D
		μg/L <b>60</b>	μg/L 	2.5	2.8	RESULTS¹ μg/L	С	D
MONOCLOROACE	TIC ACII	μg/L <b>60</b>	μg/L  1.0	2.5	2.8 ND	RESULTS¹ µg/L	С	D
MONOCLOROACE DICHLOROACETIO	ETIC ACII	μg/L <b>60</b>	1.0 0.50	2.5 1.1 ND	2.8   ND   0.57	RESULTS¹ µg/L	С	D
MONOCLOROACE DICHLOROACETIC TRICHLOROACET	ETIC ACII C ACID	60	μg/L  1.0	2.5	2.8 ND	RESULTS¹ µg/L	С	D
MONOCLOROACE DICHLOROACETI TRICHLOROACET MONOBROMOAC	ETIC ACID C ACID TIC ACID ETIC ACI	60	μg/L 1.0 0.50 0.50	2.5 1.1 ND ND	2.8 ND 0.57 ND	RESULTS¹ µg/L	С	D
MONOCLOROACE DICHLOROACETI TRICHLOROACET MONOBROMOAC	ETIC ACID C ACID TIC ACID ETIC ACI	60	μg/L 1.0 0.50 0.50 0.50	2.5 1.1 ND ND	2.8   ND   0.57   ND   ND	RESULTS¹ µg/L	С	D
MONOCLOROACE DICHLOROACETIC TRICHLOROACET MONOBROMOACE DIBROMOACETIC	ETIC ACID TIC ACID ETIC ACI ACID	60	μg/L 1.0 0.50 0.50 0.50	2.5 1.1 ND ND ND 1.4	2.8 ND 0.57 ND ND 2.2	RESULTS¹ µg/L	C	D
MONOCLOROACE DICHLOROACETIC TRICHLOROACET MONOBROMOACE DIBROMOACETIC Lab Method	ETIC ACID TIC ACID ETIC ACI ACID	60	μg/L 1.0 0.50 0.50 0.50	2.5  1.1  ND  ND  ND  1.4  552.2  8/16/2016  8/17/2016	2.8 ND 0.57 ND ND 2.2 552.2 8/16/2016 8/17/2016	RESULTS¹ µg/L	C	D
MONOCLOROACE DICHLOROACETIC TRICHLOROACET MONOBROMOACE DIBROMOACETIC Lab Method Date Extracted (55 Date Analyzed Lab Sample ID#	ETIC ACID C ACID TIC ACID ETIC ACID ACID ACID	μg/L 60	μg/L 1.0 0.50 0.50 0.50	2.5  1.1  ND  ND  1.4  552.2  8/16/2016  8/17/2016  E608C70-1	2.8 ND 0.57 ND ND 2.2 552.2 8/16/2016 8/17/2016 E608C70-2	RESULTS¹ µg/L	C	D
MONOCLOROACE DICHLOROACETIC TRICHLOROACET MONOBROMOACE DIBROMOACETIC Lab Method Date Extracted (55 Date Analyzed Lab Sample ID# Surrogate #1:   2,3-D	ETIC ACID C ACID TIC ACID ETIC ACI ACID 1.1 only)	μg/L 60 D D D D D D D D D D D D D D D D D D	μg/L 1.0 0.50 0.50 0.50 0.50	2.5  1.1  ND  ND  1.4  552.2  8/16/2016  8/17/2016  E608C70-1  114%	2.8 ND 0.57 ND ND 2.2 552.2 8/16/2016 8/17/2016	RESULTS¹ µg/L	C	D
MONOCLOROACE DICHLOROACETIC TRICHLOROACET MONOBROMOACETIC DIBROMOACETIC Lab Method Date Extracted (55 Date Analyzed Lab Sample ID# Surrogate #1: 2,3-D Report Total HAA5s r	ETIC ACID C ACID TIC ACID ETIC ACID ACID 1.1 only)	μg/L 60 D D D D D D D D D D D D D D D D D D	μg/L 1.0 0.50 0.50 0.50 0.50	2.5  1.1  ND  ND  1.4  552.2  8/16/2016  8/17/2016  E608C70-1  114%	2.8 ND 0.57 ND ND 2.2 552.2 8/16/2016 8/17/2016 E608C70-2	RESULTS¹ µg/L	C	D
MONOCLOROACE DICHLOROACETIC TRICHLOROACET MONOBROMOACE DIBROMOACETIC Lab Method Date Extracted (55 Date Analyzed Lab Sample ID# Surrogate #1:   2,3-D	ETIC ACID C ACID TIC ACID ETIC ACID ACID 1.1 only)	μg/L 60 D D D D D D D D D D D D D D D D D D	μg/L 1.0 0.50 0.50 0.50 0.50	2.5  1.1  ND  ND  1.4  552.2  8/16/2016  8/17/2016  E608C70-1  114%	2.8 ND 0.57 ND ND 2.2 552.2 8/16/2016 8/17/2016 E608C70-2	RESULTS¹ µg/L	C	D
MONOCLOROACE DICHLOROACETIC TRICHLOROACETIC MONOBROMOACETIC Lab Method Date Extracted (55 Date Analyzed Lab Sample ID# Surrogate #1: 2,3-D  Report Total HAA5s r	ETIC ACID C ACID TIC ACID ETIC ACID ACID 1.1 only)	μg/L 60 D D D D D D D D D D D D D D D D D D	μg/L 1.0 0.50 0.50 0.50 0.50	2.5  1.1  ND  ND  1.4  552.2  8/16/2016  8/17/2016  E608C70-1  114%	2.8 ND 0.57 ND ND 2.2 552.2 8/16/2016 8/17/2016 E608C70-2	RESULTS¹ µg/L	C	D
MONOCLOROACE DICHLOROACETIC TRICHLOROACETIC MONOBROMOACE DIBROMOACETIC Lab Method Date Extracted (55 Date Analyzed Lab Sample ID# Surrogate #1: 2,3-D 'Report Total HAA5s r	ETIC ACID C ACID TIC ACID ETIC ACID ACID 1.1 only)	μg/L 60 D D D D D D D D D D D D D D D D D D	μg/L 1.0 0.50 0.50 0.50 0.50	2.5  1.1  ND  ND  1.4  552.2  8/16/2016  8/17/2016  E608C70-1  114%	2.8 ND 0.57 ND ND 2.2 552.2 8/16/2016 8/17/2016 E608C70-2	RESULTS¹ µg/L	C	
MONOCLOROACE DICHLOROACETIC TRICHLOROACETIC MONOBROMOACE DIBROMOACETIC Lab Method Date Extracted (55 Date Analyzed Lab Sample ID# Surrogate #1: 2,3-D 'Report Total HAA5s r LAB SAMPLE N A B	ETIC ACID C ACID TIC ACID ETIC ACID ACID 1.1 only)	μg/L 60 D D D D D D D D D D D D D D D D D D	μg/L 1.0 0.50 0.50 0.50 0.50	2.5  1.1  ND  ND  1.4  552.2  8/16/2016  8/17/2016  E608C70-1  114%	2.8 ND 0.57 ND ND 2.2 552.2 8/16/2016 8/17/2016 E608C70-2	RESULTS¹ µg/L	C	D
MONOCLOROACE DICHLOROACETIC TRICHLOROACETIC MONOBROMOACETIC Lab Method Date Extracted (55 Date Analyzed Lab Sample ID# Surrogate #1: 2,3-D  Report Total HAA5s r  LAB SAMPLE N A B C D	ETIC ACID C ACID TIC ACID ETIC ACID ACID 1.1 only) ibromopro	ppionic acid	μg/L 1.0 0.50 0.50 0.50 0.50 0.50	2.5  1.1  ND  ND  1.4  552.2  8/16/2016  8/17/2016  E608C70-1  114%  a < MDL value).	2.8   ND   0.57   ND   ND   2.2   552.2   8/16/2016   8/17/2016   E608C70-2   112%			
MONOCLOROACE DICHLOROACETIC TRICHLOROACETIC MONOBROMOACETIC Lab Method Date Extracted (55 Date Analyzed Lab Sample ID# Surrogate #1: 2,3-D  Report Total HAA5s r  LAB SAMPLE N A B C D	ETIC ACID C ACID TIC ACID ETIC ACID ACID ACID 1.1 only) ibromopro esult as a nu OTES	ppionic acid  mber greater than  enalties of law the drift the information	μg/L  1.0  0.50  0.50  0.50  0.50  0.50  0.50	2.5  1.1  ND  ND  ND  1.4  552.2  8/16/2016  8/17/2016  E608C70-1  114%  a < MDL value).	2.8   ND   0.57   ND   ND   2.2   552.2   8/16/2016   8/17/2016   E608C70-2   112%	Director Signature		Descharge -

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DEP REVIEW STATUS	6 (Initial & Date)	Review	□ WQTS
☐ Accepted	☐ Disapproved	Comments	Data Entered

E608C70

PWS I.D. #2316000 Community Webster Water Department 38 Hill Street Webster, MA 01570 (508) 949-3861

Is the Source treated?(please check one)

Sampler (Signature)

JOSEPH MATTERSON

Report to Mass DEP?(please check one) Y ES/NO

31-6-8 Date Collected

				-					N. C.	Analyeis		
ample Type	Sample Type Sample Code	Sample Location	Address	Time		** 1					<sub>++</sub> (lu	
					Field Res	Total Colifor <del>n</del>	VVH	NHJ		*d <b>q</b> bləis	no'l' bloi'	Comments:
RS	100	Friendly's	129 Main Street	11:05	0,65	×		-	-	758	1/1	
RS	002	Town Hall	350 Main Street	00%	0.64	   	×	×		750	200	**
RS	003	Webster Hubard Hospital   340 Thompson Road	340 Thompson Road	12,05	0,32	_	×	×	-	7/7	200	MADED Composition
RS	004	Guardian Industries	5 Cudworth Road	10,35	770	-				1201	100	יייי איייייייייייייייייייייייייייייייי
RS	005	Robert Duteau	Rawson Road	10:15	0,35	-			+	167	0/2/	
RS	900	St. Joseph School	47 Whitcomb Street	13.55	6, 43	-		-		755	7.0	
RS	700	Stand Pipe	Park Road	03:20	0.46					200	101	
RS	800	Webster Nursing Home	745 School Road	1,45	6.3)			+		756	210	
RS	600	Lodge Restaurant	146-148 Gore Road	9,50	6,47			-		2/2	28.0	
PT	010	#2 Pump Station	Memorial Beach Entry	off line	1	1		 				
PT	Mult 1	#1 Pump Station	Mem. Beach Fnshd Blnd	11:30	0,79	  -  -		-		753	500	
PT	03G	#3 Pump Station	Bigelow Road Entry 9,35	Ι.,	0.98	-		-		シジに	000	
RW	01G	#2 Pump Station	Memorial Beach Raw	1	1	+		-		2	177	
RW	02G	#1 Pump Station	Memorial Beach Raw			*		+				
RW	03G	#3 Pump Station	Bigelow Road Raw	9,30	RAU	×		-		22	12.3	
										3	/.c/x	
			3	CUSTODY TRANSFER	RANSFER			$\vdash$	-	DATE		TIME
RECEIVED BY:							-					
RELINQUISHED BY:	BY:	Kings.	4-1-1						21-6-8	12/2		1,553
RECEIVED BY:		S		1					0-9-1	-1/2		14-20
RELINQUISHED BY:	) BY:	,	THE STATE OF THE S						D'			
ECEIVED BY:			No.					+	40			1252

Sample Type Key
DR- DOWNSTREAM REPEAT
RS- ROUTINE SAMPLE
RO- ORIGINAL SITE REPEAT
UR- UPSTREAM REPEAT

PT-PLANT TAP AR- ADD- REPEAT SAMPLE RW- RAW WATER SS- SPECIAL SAMPLE

Phone: 1-800-334-0103 Fax: 860-774-2689

Premier Laboratory, Inc.